

spark advance and retard arm extending from the case, and a circumferentially adjustable member attached to said arm and adapted to be connected to a spark advance
5 and retard rod.

18. In an ignition apparatus, a rotor, a shaft for rotating the same, a bracket through which the shaft extends, the bracket having upper and lower bearing portions
10 and an intermediate cut-out portion, and an extensible tube surrounding the shaft between said upper and lower bearing portions.

19. In an ignition apparatus, a rotor, a
15 shaft for rotating the same, a bracket through which the shaft extends, the bracket having upper and lower bearing portions and an intermediate cut-out portion, an extensible tube surrounding the shaft between said
20 upper and lower bearing portions, and means whereby the extrusion of grease at the ends

of the tube is prevented by the engagement of the ends of the tube with the upper and lower bearing portions of the bracket.

20. In an elevated timer for internal combustion engines, a bracket adapted to be secured to the engine and having upper and lower separated bearing portions, a timer shaft extending through said bracket, the bracket having a lower portion for enclosing
30 the gearing for driving the shaft, means for supplying grease to lubricate the shaft bearings and the gears comprising a grease supplying member carried by the upper part of the bracket and grease conveying ducts or
35 passageways leading therefrom to said lower part of the bracket.

In testimony whereof, we hereunto affix our signatures.

JOSEPH A. WILLIAMS.
ALBERT G. KARKAU.